



image GOLDEN EYE RECONNAISSANCE

THE UNIQUE FILM SCANNER FOR 127MM AERIAL FILM

GOLDEN EYE RECONNAISSANCE is a high speed and high-resolution film scanner for aerial film. 127 mm film is scanned in 100 mm/s. Output formats are Multiple Tiff and Multiple JPEG 2000(optional) . Special features for GOLDEN EYE are:

- Time efficient digitizing process for scanning, no manual analysis needed
- Easy to use and quick film loading
- Handles film with or without perforations
- Image registration and synchronization performed by software through image analysis
- Built in OCR function to read annotations on the film

The Golden Eye 127 is especially developed to rapidly digitize film from airborne reconnaissance cameras with high resolution.

The Golden Eye Film Scanner concept was originally developed 20 years ago and is now used for various applications from defense surveillance and reconnaissance to restoration of film for the media industry.

The Golden Eye Reconnaissance is designed to meet the requirements of high speed, high resolution and high image quality. The unique film transportation, using capstan drive and optical registration, is optimal for 127 mm film that normally comes without perforations.

Changes in image size on the same film role, as a result of varying camera operations, are automatically detected by the Golden Eye Reconnaissance film scanner. The extensive built-in functions for calibration enable accurate position information from the film.

SENSOR

- 12K/16K monochrome sensor pixel size 5x5 µm
- Bit depth: 12 bits

SPEEDS

- Overview speed up to 500 mm/s
- Winding speed up to 4 m/s
- Recording speed up to 100 mm/s

FILM TYPES

- B/W Print and Negative

MECHANICS

- Golden Eye base platform
- Maximum Reel size 1000 feet
- Gentle film transport with continuous movement
- Full-support gate
- Scanner dimensions (mm): 1000 x 800 x 400
- Weight: ~ 100 kg

OPTICAL REGISTRATION

- Image registration and synchronization performed in software
- Light Source
- LED light source with optimized blue diodes for monochrome film

ACQUISITIONS

- Windowed acquisition, Flip and mirroring
- Dynamic Range
- Automatic exposure control
- Film base correction
- Dmin and Dmax calibration
- Multiple film bases
- Additional tools: Histogram and Wave form diagram

SUPPORTED FILE FORMATS

- Multiple Tiff
- Multiple JPEG 2000(optional)

POWER

- 120/240 VAC, 50/60 Hz

OTHER OPTIONS

- File recorder / Converter
- OCR decoder



High Resolution scanning of 8,16,35,70 and 127mm film. Line Camera sensors from 2k to 16k



Automatic detect and read annotations created in the development process on the film



Double exposure of every line and over & under exposure gives the best dynamic range